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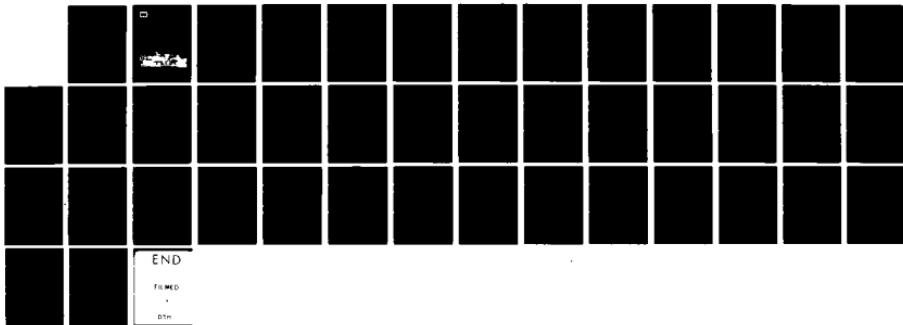
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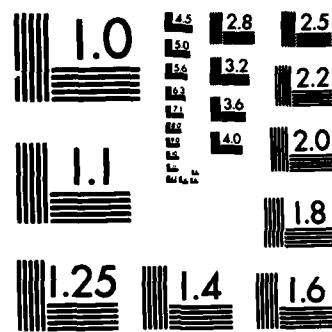
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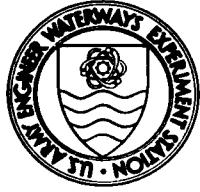
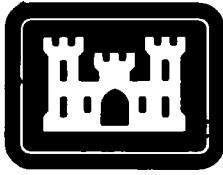
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**SELECTED BIBLIOGRAPHY ON  
FIBER-REINFORCED CEMENT AND CONCRETE  
SUPPLEMENT NO. 4**

by

George C. Hoff

Structures Laboratory  
U. S. Army Engineer Waterways Experiment Station  
P. O. Box 631, Vicksburg, Miss. 39180

August 1982  
Final Report

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  <p>A listing of 365 additional references with author index is given for fiber-reinforced cement and gypsum matrices, mortars, and concretes. Fiber types include steel, glass, plastic, asbestos, organic, carbon, and others.</p>																		

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## PREFACE

This bibliography supplement was prepared from source material provided to and obtained by the author during normal conduct of business at the U. S. Army Engineer Waterways Experiment Station (WES), Vicksburg, Mississippi. It was compiled for use in the operation of the Concrete Technology Information Analysis Center (CTIAC).

Funds for the publication of this bibliography supplement were provided from those made available for operation of the CTIAC. This is CTIAC Report No. 48. The report was prepared by Dr. G. C. Hoff, Chief, Materials and Concrete Analysis Group of the Structures Laboratory, WES, under the general supervision of Messrs. Bryant Mather, Chief, Structures Laboratory, and J. M. Scanlon, Chief, Concrete Technology Division.

The Commander and Director of WES during the preparation and publication of this bibliography supplement was COL Tilford C. Creel, CE. Technical Director was Mr. F. R. Brown.

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SELECTED BIBLIOGRAPHY ON  
FIBER-REINFORCED CEMENT AND CONCRETE

INTRODUCTION

The initial publication of this bibliography\* and its first three supplements\*\* included a total of 1519 references and 29 patents pertaining solely to fiber reinforcement of cement and gypsum matrices, mortars, and concrete. This supplement provides 365 additional references of which approximately 40 percent were published during and after 1979. The following references were compiled from publications available directly to the author and from bibliographies existing in other published works on the subject. Attempts were made to provide as much information as possible for each reference, although in some instances, where the reference information was not obtained directly from the publication, the reference may not be as complete as it could be. In general, papers solely on the theory of fiber reinforcement and composite materials which did not explicitly include fiber reinforcement of cements and concretes were not listed.

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\* G. C. Hoff, C. M. Fontenot, and J. G. Tom, "Selected Bibliography on Fiber-Reinforced Cement and Concrete," Miscellaneous Paper C-76-6, June 1976, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, Miss.

\*\* G. C. Hoff, "Selected Bibliography on Fiber-Reinforced Cement and Concrete, Supplement 1," "Supplement 2," and "Supplement 3." Miscellaneous Paper C-76-6, September 1977, July 1979, and September 1980, respectively, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, Miss.

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